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PHOTOGRAPHIC INTERPRETATION

KURUMOCH ROCKET ENGINE TEST FACILITY: ORIGINAL TEST STAND KURUMOCH, USSR



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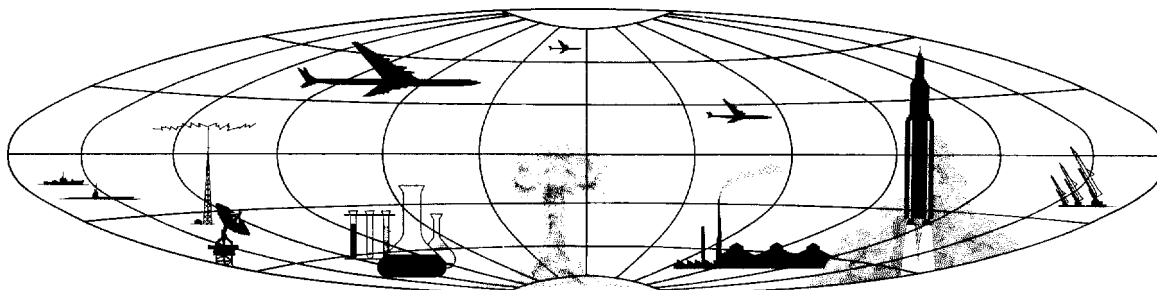
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TOP SECRET

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KURUMOCH ROCKET ENGINE TEST FACILITY: ORIGINAL TEST STAND KURUMOCH, USSR

INTRODUCTION

25X1D The original test stand at the Kurumoch Rocket Engine Test Facility, now operational, is described and measured from KEYHOLE photography of [REDACTED]. The test stand is enclosed, precluding direct observation of the number of rocket engine bays contained within it. However, structural details are presented which may bear on the problem.

25X1A The Kurumoch Rocket Engine Test Facility [REDACTED] is located at 53-31N 49-49E, eight nautical miles (nm) west-northwest of Kurumoch and 24 nm north-northwest of Kuybyshev (Figure 1). The original test stand is built in a ravine south of the operational support area. It was under construction when first observed on TALENT photography in [REDACTED].

25X1D [REDACTED] Such details as were visible at that time

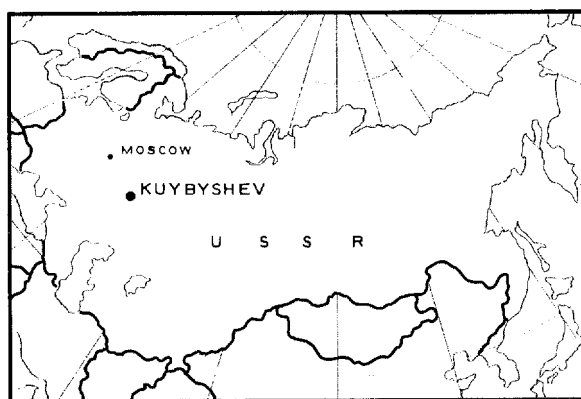


FIGURE 1. KUYBYSHEV, 24 NM SSE OF KURUMOCH ROCKET ENGINE TEST FACILITY.

have been analyzed previously. 1/ 2/ 3/ The stand has been observed subsequently on KEYHOLE photography.

STATUS

Blast marks in the snow indicate that the test stand was operational prior to KEYHOLE

photography of [REDACTED]

25X1D

DESCRIPTION

(Figure 2)

The superstructure of the test stand is approximately 85 feet (east-west) by at least 75-80 feet (north-south). The superstructure thus overhangs the base structure by at least 10-15 feet, probably to the south. The stand rises at least 60 feet above the approach ramp, giving

it an overall height of at least 140 feet above the pit. The superstructure is enclosed, precluding direct observation of the number of rocket engine test bays contained within it. Two possible structural members intersect at the center of the roof of the superstructure.

25X1D

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25X1D The base structure, under construction when
25X1D observed on TALENT photography of [REDACTED]
[REDACTED] was divided into three north-south bays by
interior walls or columns. The protruding tops
25X1D of these dividers and the outer walls measured
approximately [REDACTED] Shadow detail in-
dicated that the north wall was being enclosed.
This shadow detail also indicated that the north
ends of the exterior and interior supports were
25X1D at least [REDACTED] wide.

25X1D An approach ramp has been built to the
stand from the north edge of the excavation,
probably using the bridge piers and abutment
structures seen in [REDACTED] A road
entering the pit from the northeast services the
base of the stand. A bridge extends from the
probable control bunker down to the bottom of
the pit.

Pertinent measurements are shown in the
following table:

*Table 1. Measurements of Original Test Stand,
Kurumoch Rocket Engine Test Facility*

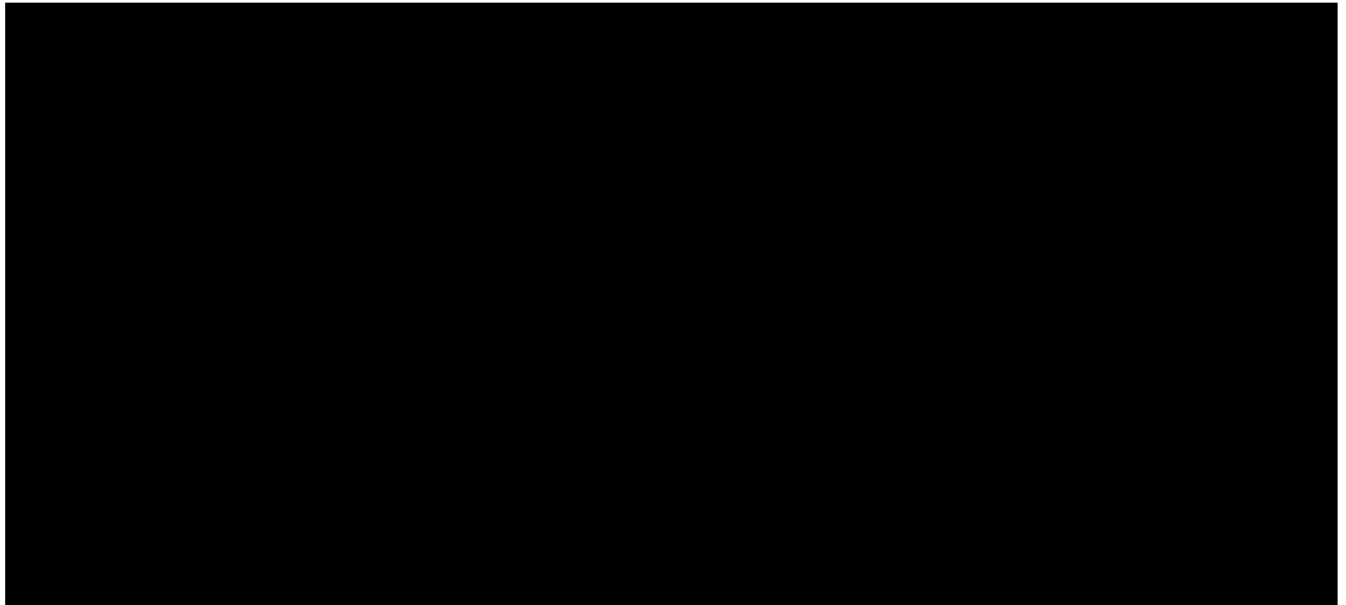
Dimensions (in ft)			
Superstructure			
north-south	minimum	75-80	
east-west	approximately	85	
Base Structure			
north-south			
east-west			
wall widths (roof)	approximately		
(north end)	at least		
Heights			
above ramp	at least	60	
base (south elev)		60	
base to ramp level	at least	20	
overall height	minimum	140	
	maximum	200	
Distances (edge to edge)			
to operational buildings	approximately	575	
to probable control bunker	approximately	150	

25X1D

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REFERENCES

PHOTOGRAPHY



MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0165-17A, 3d ed, Jan 60, scale 1:200,000 (SECRET)

DOCUMENTS

1. CIA. PIC/JR-1002/60, Propulsion Test Complex, Kurumoch, USSR, Nov 60 (SECRET/Noform)

3. USAF. ATIS-T-60-5, Kurumoch Rocket Engine Facility, 15 Sep 60 (TOP SECRET CHESS)

4. NPIC. B-47/61, Propulsion Test Complex, Kurumoch, USSR: Changes Since Dec 61 (TOP SECRET CHESS RUFF)

REQUIREMENT

Air. AFNIN 2 63

NPIC PROJECT

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